N68-GE3 UCC

NVIDIA® GeForce 7025 / nForce 630a Chipsets

ASRock
www.asrock.com

Product Brief

- **Phenom II X6 6-Core CPU Ready**
- **Supports ASRock UCC - Unlock CPU Core**
- **Hyper Transport 2000 MT/s**
- **Supports Dual Channel DDR3 1600**
- **Supports ASRock Instant Boot, Instant Flash, OC Tuner, IES, OC DNA, AIWI, APP Charger**
- **7.1 CH HD Audio (VIA® 1718S Audio Codec with QSound)**
- **ErP/EuP Ready**
- **Free Software : CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial**

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

Detail Specification

Platform	- Micro ATX Form Factor: 9.6-in x 8.2-in, 24.4 cm x 20.8 cm
CPU	- Support for Socket AM3 processors: AMD Phenom™ II X6 / X4 / X3 / X2 (except 920 / 940) / Athlon II X4 / X3 / X2 / Sempron processors - Six-Core CPU Ready - Supports UCC feature (Unlock CPU Core) - Supports AMD's Cool 'n' Quiet Technology - FSB 1000 MHz (2.0 GT/s) - Supports Untied Overclocking Technology - Supports Hyper-Transport Technology
Chipset	- NVIDIA® GeForce 7025 / nForce 630a
Memory	- Dual Channel DDR3 memory technology - 4 x DDR3 DIMM slots - Supports DDR3 1600/1333/1066/800 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB
Expansion Slot	- 1 x PCI Express x16 slot - 1 x PCI Express x1 slot - 2 x PCI slots
Graphics	- Integrated NVIDIA® GeForce 7025 graphics - DX9.0 VGA, Pixel Shader 3.0 - Max. shared memory 256MB - Supports D-Sub with max. resolution up to 1920x1440 @ 60Hz
Audio	- 7.1 CH HD Audio (VIA® VT1718S Audio Codec)
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY RTL8211CL - Supports Wake-On-LAN
Rear Panel I/O	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Parallel Port (ECP/EPP Support) - 1 x VGA Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
Connector	- 4 x Serial ATAII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5 and JBOD), NCQ and "Hot Plug" functions - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x COM port header - CPU/Chassis/Power FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - CD in header - Front panel audio connector - 3 x USB 2.0 headers (support 6 USB 2.0 ports)
BIOS Feature	- 4Mb AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - SMBIOS 2.3.1 Support - CPU, VCCM Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial)

Unique Feature	- ASRock OC Tuner
	- Intelligent Energy Saver
	- Instant Boot
	- ASRock Instant Flash
	- ASRock OC DNA
	- ASRock AIWI
	- ASRock APP Charger
	- Hybrid Booster:
	  - CPU Frequency Stepless Control
	  - ASRock U-COP
	  - Boot Failure Guard (B.F.G.)

Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, Vcore
OS	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA data cables (optional)

N68-GE3 UCC

NVIDIA® GeForce 7025 / nForce 630a Chipsets

ASRock
www.asrock.com

Unlock CPU potential up to 6 Cores

100% CPU Performance Boost!

AMD CPU Core X2/X3 ▶▶▶ X4

AMD CPU Core X4 ▶▶▶ X6

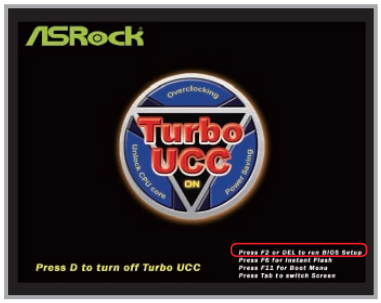
With ASRock UCC , one simple click in BIOS can unlock CPU core to enjoy an instant performance boost.

ASRock UCC
(Unlock CPU Core)

World's First NVIDIA Chipset Motherboard
Supports Unlock CPU Core

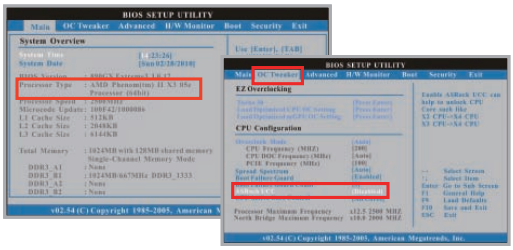
Step 1

Press “F2 or DEL” to enter the BIOS.



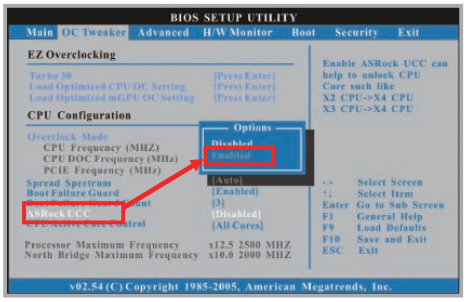
Step 2

Choose the “OC Tweaker” page and “ASRock UCC” option!



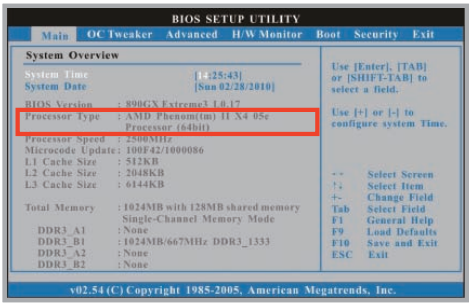
Step 3

- “ASRock UCC” set to Enabled.
- Press “F10” to save change and exit.



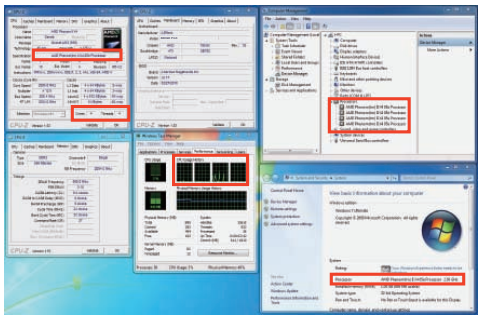
Step 4

- Press “F2 or DEL” to enter the BIOS.
- Processor Type unlock to “AMD Phenom II X4 05e” under “Main” page.


BIOS SETUP UTILITY
Main OC Tweaker Advanced H/W Monitor Boot Security Exit
System Overview
Use [Enter], [TAB] or [SHIFT-TAB] to select a field.
Use [+] or [-] to configure system Time.
Select Screen
Select Item
Change Field
Tab Select Field
F1 General Help
F9 Load Defaults
F10 Save and Exit
ESC Exit
v02.54 (C) Copyright 1985-2005, American Megatrends, Inc.

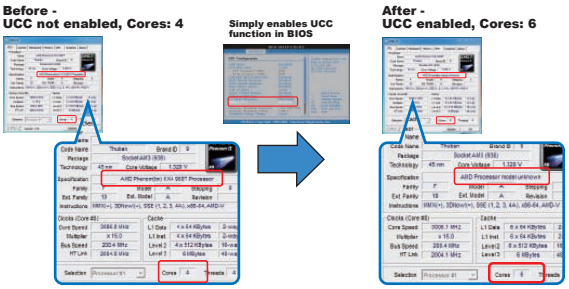
Step 5

CPU Information Under OS



Step 6

Before and After UCC



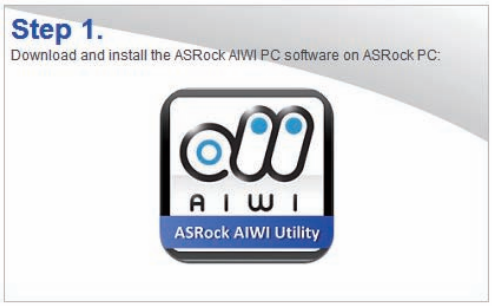
N68-GE3 UCC

NVIDIA® GeForce 7025 / nForce 630a Chipsets

ASRock
www.asrock.com

ASRock AIWI software introduces a new way of PC gaming operation. ASRock AIWI is the world's first software to turn your iPhone/iPod touch as a game joystick to control your PC games. Just to install the ASRock AIWI software on your ASRock motherboard, connect your PC and apple devices via Bluetooth or WiFi networks, then you can start experiencing the exciting motion controlled games.

ASRock AIWI Quick Start Guide



Step 4.
Execute ASRock AIWI software on the PC and log in to register to become a new AIWI member, then you can receive continues new games update.
ASRock
Category
New Games
Top Games
A to Z

N68-GE3 UCC

NVIDIA® GeForce 7025 / nForce 630a Chipsets

ASRock www.asrock.com

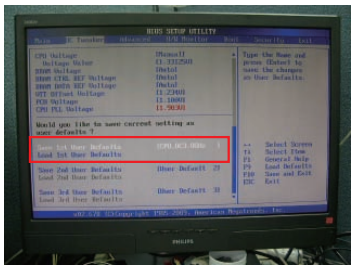
OC DNA

Save your OC settings as a profile and share with friends. Try OC DNA now!

OC DNA Instruction

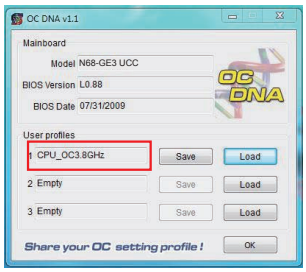
Step 1

Save your BIOS OC settings as User Default in BIOS OC Tweaker menu. (For example: we name this User Default setting as “CPU_OC3.8GHz”)



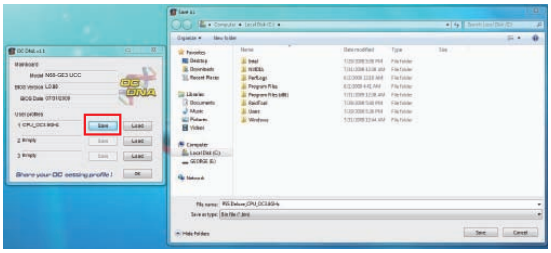
Step 2

Execute ASRock OC DNA under OS, you will find “CPU_OC3.8GHz” as User Profile 1.



Step 3

Press “Save” button to save the “CPU_OC3.8GHz” OC settings as a profile.

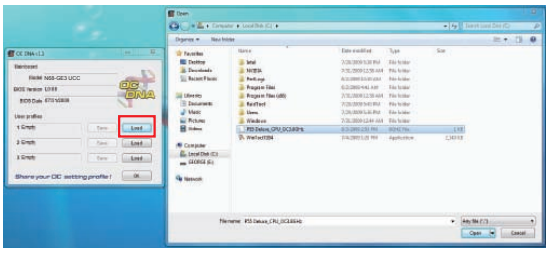


Step 4

Send the “CPU_OC3.8GHz” profile to other friends.

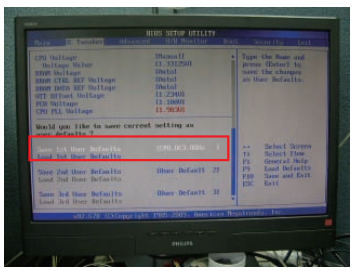
Step 5

When the friend receives your “CPU_OC3.8GHz” profile, he can press “Load” to load the “CPU_OC3.8GHz” profile in OC DNA.



Step 6

After that, the friend can enter into BIOS OC Tweaker menu to load the “CPU_OC3.8GHz” profile as his BIOS OC settings.



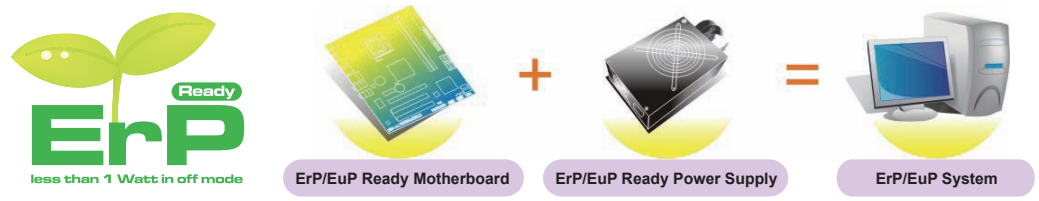
Now, you have successfully share your OC setting profile with your friends.

*The OC DNA works only when users use the same motherboard and BIOS version.

N68-GE3 UCC

NVIDIA® GeForce 7025 / nForce 630a Chipsets

ASRock
www.asrock.com



What is ErP/EuP?

ErP/EuP, stands for Energy Using Product, was a provision regulated by European Union to define the power consumption for the completed system. With the great quantity and the popularly using of the electrical products nowadays and the continuously increasing of the electrical products categories in the following 20 to 30 years, European Union decided to establish an effective strategy to solve the energy consumption problem. That is, according to ErP/EuP, the total AC power of the completed system shall be under 1.00W in off mode condition.

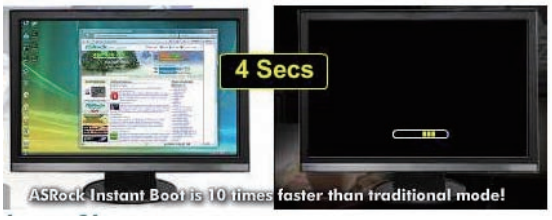
ASRock Instant Boot

ASRock Instant Boot is a new feature invented exclusively by ASRock.
It can boot up system in an amazing speed,
which is 10 times faster than traditional boot up. For home users or office PC users, ASRock Instant Boot can also
guarantee a clean Windows OS, and consumed less power! For details:
http://www.asrock.com/feature/InstantBoot/index.asp

* This function is applicable ONLY to single user that does not secure ID and Password to their systems.
* The boot up time depends on the hardware configuration.

10 Times Faster, Only 4 Secs to Boot Up to Windows!

ASRock YouTube
http://tw.youtube.com/watch?v=BucljXZVxXo

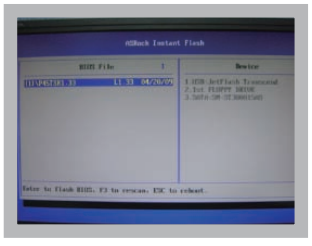


ASRock Instant Flash

ASRock Instant Flash is an exclusive and the most user-friendly BIOS flash utility developed by ASRock. It is embedded in Flash ROM which is used to update the system BIOS without having to enter operating systems like MS-DOS or Windows.

Features

Once executing ASRock Instant Flash, the utility will automatically detect all devices such as USB, hard disk or even floppy drive to find the exact BIOS for your system. Instead of giving you all BIOS in your devices, the Instant Flash just list BIOS versions that apply to your motherboard model only. For example, if you have many different BIOS of different motherboards saved in your devices, but you just need to flash your P45 motherboard, the Instant Flash will just list the P45 BIOS versions for you. This unique function allows you to easily select the suitable BIOS version instead of browsing through all data.



Instant Flash just list BIOS versions that apply to your motherboard model.

Simple!

Click and start Flashing!

Quick!

N68-GE3 UCC

NVIDIA® GeForce 7025 / nForce 630a Chipsets

ASRock
www.asrock.com

CyberLink Power2Go 6.1 LE OEM

Power2Go 6 lets you burn and backup videos, photos, music and data onto Blu-ray Discs and DVDs.

CyberLink MediaShow 4.1 SE OEM

Photo and video management software MediaShow edits videos and photos instantly, creates slideshow, and allows publishing directly to YouTube and Flickr.

CyberLink PowerDVD 8.0 DTS Trial

World-renowned PowerDVD 8 DTS delivers outstanding DVD movie playback quality on your PC.

CyberLink PowerDirector 8.0 Trial

PowerDirector - Video Editing software – edits high-definition videos including AVCHD, allows output to PSP iPod and Blu-ray Disc.

CyberLink PowerBackup 2.5 Trial

PowerBackup backups valuable data on your PC.

Creative Sound Blaster X-Fi MB Trial

The Sound Blaster X-Fi MB solution provides premium audio quality, effects and features for PC systems equipped with onboard audio.
For gamers, the EAX® ADVANCED HD 4.0, with its state-of-the-art Multi-Environment rendering and reverb modelling, delivers a much more realistic and immersive 3D gaming experience than your motherboard audio ever will.